IN THE CLAIMS

Claims 1-18 have been previously cancelled. Claims 19-27 are presently outstanding and have been rejected. Applicants have added new claims 28-38. A clean copy of claims 19-38 are provided below.

19. (Unchanged) An access device having embedded therein:

a combined text-interface generator and HTTP client;

a combined HTTP server and SNMP manager; and

an SNMP agent;

wherein the SNMP agent has direct access to configuration data stored in said access device;

wherein the combined HTTP server and SNMP manager only accesses said configuration data by sending messages to said SNMP agent; and

wherein the combined text-interface generator and HTTP client only accesses said configuration data by sending messages to said combined HTTP server and SNMP manager which cause said combined HTTP server and SNMP manager to send messages to said SNMP agent.

20. (Unchanged) The access device of claim 19 wherein:

the combined HTTP server and SNMP manager generates HTML documents that include anchors that contain identifiers for MIB objects; and

the combined text-interface generator and HTTP client transmits to the combined HTTP server and SNMP manager messages that contain identifiers for MIB objects in response to input received from a user.

21. (Unchanged) A method for automatically generating HTML based on MIB information, the method comprising the steps of:

receiving from an HTTP client a message that identifies a MIB item;

reading said MIB information to determine a type of said MIB item;

requesting a current value from an SNMP agent for said MIB item;

generating an HTML page which, when decoded by the HTTP client, causes the HTTP client to generate a display that indicates the current value for said MIB item; and

transmitting the HTML page to the HTTP client.

22. (Unchanged) The method of claim 21 wherein:

the step of receiving from an HTTP client a message that identifies a MIB item includes receiving a message that identifies a row in a MIB table;

the step of reading said MIB information to determine a type of said MIB item includes reading said MIB information to determine the type for each MIB variable in the row;

the step of requesting a current value from an SNMP agent for said MIB item includes requesting current values for each MIB variable in the row;

the step of generating an HTML page includes generating an HTML page which, when decoded by the HTTP client, causes the HTTP client to generate a display that indicates the current values for at least one MIB variable in the row.

23. (Unchanged) The method of claim 21 wherein:

the message includes a string of text that indicates a file name; and

the method further includes the step of reading from the string of text arguments that identify the MIB item.

24. (Unchanged) The method of claim 23 wherein the step of generating said HTML page includes replacing text from a template HTML page with text that is based on said arguments.

25. (Unchanged) The method of claim 23 wherein the step of generating said HTML page includes inserting into an anchor of said HTML page text that is based on said arguments.

26. (Unchanged) The method of claim 21 wherein:

the step of generating said HTML page includes generating an anchor in said HTML page that includes a command;

the method further includes the steps of

receiving the command from the HTTP client when a user selects a hypertext link associated with the anchor; and

transmitting a request for an SNMP operation to the SNMP agent in response to receiving the command from the HTTP client.

27. (Unchanged) The method of claim 26 wherein:

the anchor further includes an identifier of a second MIB item and a value; and

the step of transmitting a request to the SNMP agent includes transmitting a request for the variable corresponding to the second MIB item to be set to said value.

28. (New) A network device comprising:

means for combining text-interface generator and HTTP client;

means for combining HTTP server and SNMP manager; and

means for providing an SNMP agent;

wherein the SNMP agent has direct access to configuration data stored in said access device;

wherein the combined HTTP server and SNMP manager only accesses said configuration data by sending messages to said SNMP agent; and

wherein the combined text-interface generator and HTTP client only accesses said configuration data by sending messages to said combined HTTP server and SNMP manager which cause said combined HTTP server and SNMP manager to send messages to said SNMP agent.

29. (New) The network device of claim 28 wherein:

the combined HTTP server and SNMP manager generates HTML documents that include anchors that contain identifiers for MIB objects; and

the combined text-interface generator and HTTP client transmits to the combined HTTP server and SNMP manager messages that contain identifiers for MIB objects in response to input received from a user.

30. (New) The network device of claim 28 further comprising means for providing a user interface, said interface being optimized for speed and navigability.

31. (New) The network device of claim 30, wherein the user interface being a duplicate in look-and-feel of a text menu system.

32. (New) An access device for automatically generating HTML based on MIB information comprising:

means for receiving from an HTTP client a message that identifies a MIB item;

means for reading said MIB information to determine a type of said MIB item;

means for requesting a current value from an SNMP agent for said MIB item;

means for generating an HTML page which, when decoded by the HTTP client, causes the HTTP client to generate a display that indicates the current value for said MIB item; and

means for transmitting the HTML page to the HTTP client.

33. (New) The access device of claim 32 wherein:

the means for receiving from an HTTP client a message that identifies a MIB item includes receiving a message that identifies a row in a MIB table;

the means for reading said MIB information to determine a type of said MIB item includes reading said MIB information to determine the type for each MIB variable in the row;

the means for requesting a current value from an SNMP agent for said MIB item includes requesting current values for each MIB variable in the row;

the means for generating an HTML page includes generating an HTML page which, when decoded by the HTTP client, causes the HTTP client to generate a display that indicates the current values for at least one MIB variable in the row.

34. (New) The access device of claim 32 wherein:

the message includes a string of text that indicates a file name; and

the method further includes the means for reading from the string of text arguments that identify the MIB item.

35. (New) The access device of claim 34 wherein the means for generating said HTML page includes replacing text from a template HTML page with text that is based on said arguments.

36. (New) The access device of claim 34 wherein the means for generating said HTML page includes inserting into an anchor of said HTML page text that is based on said arguments.

37. (New) The access device of claim 32 wherein:

the means for generating said HTML page includes generating an anchor in said HTML page that includes a command;

the access device further includes

means for receiving the command from the HTTP client when a user selects a hypertext link associated with the anchor; and

means for transmitting a request for an SNMP operation to the SNMP agent in response to receiving the command from the HTTP client.

38. (New) The access device of claim 37 wherein:

the anchor further includes an identifier of a second MIB item and a value; and

the means for transmitting a request to the SNMP agent includes transmitting a request for the variable corresponding to the second MIB item to be set to said value.